

# VEEDER-ROOT

# PHASE-TWO WATER DETECTOR

## THE FIRST AND ONLY SOLUTION TO DETECT AND MONITOR FOR PHASE SEPARATION

### Be Aware of Phase Separation

The use of ethanol-blended fuels in North America has increased dramatically over the past several years. It is known that ethanol/gasoline blends will absorb water that enters the tank. Once the ethanol-blended fuel becomes water-saturated, an ethanol-water layer, known as *phase separation*, drops to the bottom of the tank.

### Understand the Risks

Phase separation pumped into your customers' vehicles will shut their engines down on your forecourt. And when their engines stop, your problems have just started. Their vehicles will need costly repairs. But the thing that's even harder to repair is your reputation.

With phase separation, your biggest problem may be lurking out of sight. Now you'll have to deal with purging your system, replacing dispenser filters, and disposing of contaminated fuel—which can easily run more than \$10,000. Given the corrosive nature of phase separation, you may also be faced with expensive repairs and remediation.

### Detect Phase Separation

Veeder-Root's Phase-Two Water Detector is the first true solution for phase separation detection. The Phase-Two provides you with early detection and continuous monitoring of in-tank phase separation and delivers alarms to your Veeder-Root automatic tank gauge. It offers you the peace of mind that comes from knowing that you are delivering quality fuel to your customers, that your equipment is safe, and that your brand will not be tarnished.

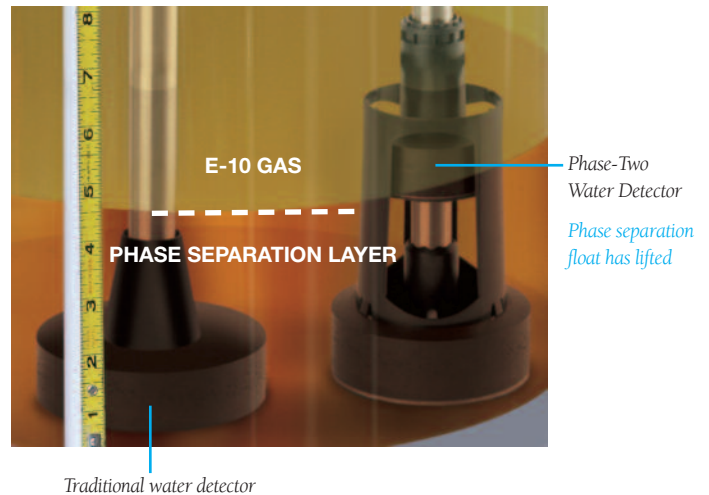
More educational materials are available at [www.detectphaseseparation.com](http://www.detectphaseseparation.com)

*Veeder-Root's new standard for water detection in gasoline tanks*



### Protect Your Stations. Switch to the New Standard.

Given the increased reliability of the Phase-Two Water Detector versus traditional water detection float kits in ethanol-blended fuels, Veeder-Root believes UST owners/operators should replace their existing water floats with the Phase-Two Water Detector to avoid the risks of phase separation. This float kit is Veeder-Root's new standard for water detection in gasoline tanks.



### Additional Advantages

- Improved minimum water detection, even in pure gasoline
- Detect cross-drops of diesel fuel in gasoline tanks
- Easily retrofittable to existing Veeder-Root TLS tank gauges

# PHASE-TWO WATER DETECTOR



## THE NEW INDUSTRY STANDARD



Part Description	Part Number
Phase-Two Float Kit, 5' cable	886100-000
Phase-Two Float Kit, 10' cable	886100-010
Phase-Two Float Kit, 20' cable	886100-020

### Specifications

Fuel compatibility:	All gasoline blends up to 15% ethanol (E15)
Minimum detectable water height:	0.38"
Minimum detectable fuel height:	7.0"
Accuracy in water:	± 0.10"
Accuracy in phase separation:	+ 0.75"

### Equipment Compatibility

Tank opening:	4"
Consoles:	Veeder-Root TLS-450 (v3A or higher); TLS-350/300 (v30B or higher)
Probes:	Veeder-Root Mag Plus (Type = Mag7-9)

### How to Identify Current Equipment

#### From the TLS-450 Console:

Software Version:	Select <i>Diagnostics</i> , then select <i>About</i> Software Part # should be at least xxxxx3.A
Probe Type:	Select <i>Diagnostics</i> , then select <i>Probe</i> , then select <i>General</i> Type must be MAG7, MAG8, or MAG9



TLS-450 Console

#### From the TLS-350 Console:

Software Version:	Print out the <i>System Diagnostic</i> Report Software revision level must be at least x30.01
Probe Type:	Print out the <i>In-Tank Diagnostic</i> report Probe Type must be MAG7, MAG8, or MAG9



TLS-350 Console



TLS-300 Console

### Intended Use

Use in any gasoline storage tank containing up to 15% ethanol. The new Phase-Two Float Kit replaces the traditional gasoline float kit. The float kit also works in pure gasoline with better performance for water detection than existing float kits by having a lower minimum detectable water height, allowing station owners to respond to a potential problem more quickly.

To learn more, contact us at 888.561.7942, or visit [www.detectphaseseparation.com](http://www.detectphaseseparation.com).

